

BASSETT MAGUIRE

Volume 34

Bassett Maguire  
(Celia K. Maguire)  
Bassett Maguire

Gmelina Survey

60200-60208  
60209-60211  
60335-60341

Africa

British Honduras  
Panama  
British Honduras

April 3-11, 1967

January 4, 1967  
January 1967  
May 4, 1967

801





2  
April 3, 1967

Trees N. 1 - N 12 at Pitwood Plantation. Federal Reserve Station, Enugu  
In plantation all but 10 trees cut, these left as seed trees. Plantation now of coffee - not too uniform.  
Growth good, remarkably uniform.

N. 1 (A)

Locality Enugu Pitwood Plantation. Federal  
Date March 3, 1967  
Size 19.5' 40' - 10" 65'  
Form Good Main stem prominent with crown  
Soil Sandy, clay  
Remarks Woodwell at Forest

N. 3

Locality Enugu Pitwood Plantation  
Date March 3, 1967  
Size Diam 15' 50' - 60' - 7' 75'  
Form Trunk prominent to within 10'  
Soil Sandy, clay Hard pan at 3' - laterite - often consolidated.  
Remarks Self pruned to narrow crown as are all trees in plantation

N. 4 (P)

Locality Enugu  
Date  
Size 14 1/2' 50' - 6" 70'  
Soil  
Remarks

N. 5 (10)

Locality Enugu  
Date  
Size 16' 50' - 7' 75'  
Soil  
Remarks

N. 6 (4)

Size 15 1/2' 45' - 6' 70'  
Locality Enugu  
Date  
Size

N. 7 (5)

14" 50-7" 70'

N. 8 (3)

18" 50-7" 75"

N. 9 (2)

15.8' 45'-8" 70'

N. 10 (7)

16" 45-50-7 75'

N. 11 (6)

17.6" 50-7" 80'



4

N. 12 (12)

15"

40' 6"

65'

N. 2 (8)

21"

35-41-7"

60'

April 4, 1962

Effluvia Forest Reserve Planted June-July 1962

Sandy loam A ± 1' 0.22'

N. 13

7.7"

-

60'

N. 14

8.8"

-

60'

N. 15

7.0"

55'

N. 16

9.8"

50'

N. 17

9.5"

50'



N. 18	7"	55'
N. 19	9.2"	60'
N. 20	12.9"	45'
N. 21	8"	55'
N. 22	9.8"	60'
N. 23	13"	45 (border)
N. 24	8.9"	60'
N. 25	12"	60' (border)
N. 26	8.1"	55'
N. 27	9"	40'
N. 28	8.1"	60'

6

N 29	10"	55'	error fairly -
------	-----	-----	----------------

N 30	8'	55'	
------	----	-----	--

N 31	8.9'	55'	
------	------	-----	--

N 32	11.3	56	marginol
------	------	----	----------

N 33	8.1	60'	
------	-----	-----	--

N 34	10.8	60'	
------	------	-----	--

35	8.12'	55'	
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36	7.0'	55'	
----	------	-----	--

37	8.5"	60'	
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38	8.1"	60'	
----	------	-----	--

39	8.6'	55'	
----	------	-----	--

N 40	7.9"	50'	
N 41	16"	70'	Crown bent inward, legs short rigid.
42	8.5"	60'	
N 43	10.4"	60'	Crown fairly
44	9.0"	60'	
45	7.6'	45'	
46	6.2	45'	
47	8.1'	55'	

8

N 48

8.8'

60'

49

10.5'

65'

50

7.0'

65'

51

11"

65'

62

7.2'

65'

April 5, 1967

Ikriqon Forest Reserve

N 53

12"

60'

80'

54

18

60'

80'

N 55	17.8"	65'	85'
------	-------	-----	-----

56	16.8	55	75'
----	------	----	-----

57	15.3	60'	75'
----	------	-----	-----

58	14"	60'	75'
----	-----	-----	-----

59	15"	60'	70'
----	-----	-----	-----

60	12.6"	60'	70'
----	-------	-----	-----

61	18"	65'	80'
----	-----	-----	-----

62	15.2"	60'-6"	80'
----	-------	--------	-----

N 63.	13.6'	65' - 6"	85'
64	15.2'	65'	73'
65	16.7'	70' - 6"	81'
66	13.5'	50 - 6"	70'
67	13.5'	50 - 6"	72 feet from
68	14.2'	45' 7"	65'
69	19"	55 - 6"	80'
70	15.5'	55 - 6"	75'

71	18.4"	45' - 7"	80'
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72	13.8	45 - 7	75'
----	------	--------	-----

73	16.3	65 - 7"	75'
----	------	---------	-----

74	14.8"	65 - 6	70'
----	-------	--------	-----

75	14.0	65 - 6	75'
----	------	--------	-----

76	13.7	45 - 4"	70'
----	------	---------	-----

77	19.9"	50 - 8"	70'
----	-------	---------	-----

78	13.6"	50 - 6"	70'
----	-------	---------	-----





79	18"	50 - 8'	70
----	-----	---------	----

80	15.8"	65 - 6'	70
----	-------	---------	----

81	15.5"	45' - 5"	70'
----	-------	----------	-----

82	16.5	50 - 5'	70
----	------	---------	----

83	17.0	45' 8"	70'
----	------	--------	-----

84	19.1	50 - 4'	70
----	------	---------	----

85	20.1	55' 8"	70'
----	------	--------	-----

86	21.4"	60 - 8"	80'
----	-------	---------	-----

87	13.5	50 - 4"	75'
88	14.6	40 - 6"	65'
89	14.2	50 - 4"	70'
90	14.2	50 - 4"	72'
91	14.5	60 - 5"	70'
92	13.3	55 - 5"	65'
93	13.6	50 - 5"	65'
94	14.3	60 - 5"	75'

N. 95	16"	40-10"	60'
96	18.2"	45-10"	60'
97	14.1"	25-8"	45'
98	16"	45-8"	70'
99	15.13"	50-6"	70'
100	18.7"	60-6"	75'
101	17.6"	60-7"	75'
102	19.7"	50-8"	75'



N 111 17.2" 60.8" 27-2-20

N 112 16.4 60.6 19-2-20

Mama River Plantation

N. 113	17.7"	45' 7"	65'	Mangrove shrub with brown light
114	11.7"	50' 5"	70'	
115	22.1"	50' 8"	65'	
116	18"	50' 7"	65'	
117	16.8"	45' 7"	65'	

18

N 118	19.4	52' 7"	75'
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119	19'	42' 8"	65'
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120	18"	50' 7"	75'
-----	-----	--------	-----

121	13'	50' 6"	75'
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122	18.7"	50' 7"	75'
-----	-------	--------	-----

123	14.6'	50' 6"	75'
-----	-------	--------	-----

124	13.7'	50' 6"	75'
-----	-------	--------	-----

125	14.4"	46' 8"	70'
-----	-------	--------	-----

126	22"	55' 7"	70'
-----	-----	--------	-----

127	16.8'	50' 6"	65'
-----	-------	--------	-----



N. 125	22.5"	40' 12"	65'
129	16.5	50' 6"	65'
130	14.3	63' 5"	70'
131	20.2"	45' 10"	70'
132	17.1'	45' 8"	70'
133	14.3	40' 6"	70'
134	18.5	55' 5"	70'
135	15.9	45' 6"	65'
136	18.8"	50' 7"	70'
137	17.9"	50' 5"	

N 138

18.1

40' 7'

72.5m Long 15'

139

17.9

50' 6'

70'

140

20.6

48' 7'

65'

141

14.4

75'

142

14.2

50'

70'

143

17.4

40' 5'

70'

144

13.8

50'

70'

145

15.2

50' 4'

70'

146

10.4

50' 5'

70'

147

16.8

40 - 7"

70'

N 148	16.3"	50-7"	75'
149	13.1"	55-5	70'
150	15.2"	50-6	70'
151	13.4"	50-5	70'
152	11.7"	50-4	70'
153	24.0"	45-5	70'
154	15.6"	45-6	70'
155	13"	45-5	70'
156	12"	45-5	70'
157	13.6"	50-5	70'

22

emb 3	158	14.9"	55-5	65
	159	16.3"	45-5"	65"
	160	13.6"	50-6"	65
emb 70	161	17.7"	45-7'	65'
	162	20.5	50-5	Graphite - unguated 70

Akpa ka Plantation  
Comp 29B planted 1955  
Thinned 1962.

Apr. 7, 1961.  
June.

Comp. 29A Planted 1953  
Capped 1963

Sandy Clay - loam with laterite  
Max 89.9. Min 78.8

Dry Dec - Mar.

Rainy Peak July - Sept.

A.O. rainfall 26".

Alt. 100-300'

29A

N 163

17.1"

45-9"

65'

164

18.7"

50-8'

65'

165

13.3"

45' 6"

65'

166

13.8"

50' 6"

65'

167

16.2"

40' 10" margin

60'

168

15 3"

50 7"

70'

169	20.2"	40 - 15"	65'
170	16.1	50 - 6'	65' <i>Quinn had 2</i>
171	19.3'	45 - 8"	60
172	15.9"	45 - 7"	60'
173	13.9	50 - 6	70'
174	15.5"	50 - 7	70'
175	14.6"	40 - 6"	60'
176	13.8'	50 - 7"	65'
177	15.1"	55 - 7"	70'
178	13.6	50 - 7	65' <i>Not finding</i>
<i>Quinn stream, even would change this</i>			

N. 179

12.9"

55' 6" margin

65'

official grade island? area reduced  
after opening.

29 B

N 180

2nd level not subject, previous grade. Standard 19.5'

13.8'

50-5'

60'

181

13.2

50-6'

60'

182

13.4

50-6'

60'

183

11.6"

45-6'

58'

184

12.6"

50-5'

60'

185

11.6

50-5'

60'

186

12.3"

40-7'

60'

187

10.6"

45-6'

60'

This block of ground for grade  
is approximately 1/2 former



26

Trees in this block are mostly present  
along with moderate vegetation

N 188

12.12"

55.5"

65'

189

11.12"

53.8"

65'

190

12.7"

54.5"

65'

191

12.12"

53.12"

65'

192

10.12"

52"

65'

193

13.13"

56.6"

65'

194

11.12"

50.12"

65'

195

13.7"

56.1"

65'

mostly snow-covered

196

17.3"

50.8"

65'

197

13.8"

56.6"

65'

198

14.9"

40.7"

60'

199

13.8"

45.6"

28'

200

13.9"

55.5"

45'

O. A. Umuro

FOREST OFFICE, BANDA, Borneo  
April 5, 1947

April 15 1947 Day Forest

N. 701

11"

50-5

65

202 17.2' 20-16" 65'

203 14.4' 20-6" 65'

204 11.7' 20-7" 65'

205 12.3' 20-6" 65'

206 11.9' 45-5 65'

207 13.2' 40-6" 60'

208 15.7' 115-6 65'

209 14.3' 50-5 65'

N 210	16.7"	45-8	65'
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211	12.7"	45-6"	65'
-----	-------	-------	-----

212	12.6"	45-6"	65'
-----	-------	-------	-----

213	14.4"	50-7"	65'
-----	-------	-------	-----

214	15.0"	50-7"	65'
-----	-------	-------	-----

215	10.9"	45-5"	60'
-----	-------	-------	-----

216	14.7"	50-6"	65'
-----	-------	-------	-----

217	12.7"	45-6"	65'
-----	-------	-------	-----

218	15.1"	45-6"	65'
-----	-------	-------	-----

219	12.7"	50-5"	65'
-----	-------	-------	-----

N 220	12.2"	50-5"	65'
221	12.1"	45-5	65'
222	16.0	45-5	70'
223	16.1	50-6	65'
224	16.8	50-10	50'
225	12.7"	50-5	70'
226	12.1	45-5	65'
227	13.4	50-5	65'
228	18.9	50-7"	70'
229	16.7	50-10	70'
230	25.3"	55-5	75'
231	12.3	45-5	65'
232	16"	40-5	60'
233	13.3'		

on left side of road  
 on right side of road

N 234	11.2"	45-5"	65
235	14.2"	50-5"	65
236	13.7"	40-6"	65
237	12.1"	45-5"	60
238	13.3"	40-6"	65
239	11.9"	50-5"	65
240	11.0"	50-5"	65
241	13.5"	45-6"	65
242	16.1"	45-6"	65
243	18.8"	45-5"	65
244	16.1"	50-5"	65
245	11.5"	50-5"	65
246	13.7"	50-5"	65
247	17.7"	50-6"	65
248	14.9"	55-6"	65

250	14.0	50.5	65
251	14.1	50.5	65
252	14.2	50.5	65
253	14.3	50.5	65
254	14.4	50.5	65
255	14.5	50.5	65
256	14.6	50.5	65
257	14.7	50.5	65
258	14.8	50.5	65
259	14.9	50.5	65
260	15.0	50.5	65
261	15.1	50.5	65
262	15.2	50.5	65
263	15.3	50.5	65
264	15.4	50.5	65
265	15.5	50.5	65
266	15.6	50.5	65
267	15.7	50.5	65
268	15.8	50.5	65
269	15.9	50.5	65
270	16.0	50.5	65
271	16.1	50.5	65
272	16.2	50.5	65
273	16.3	50.5	65
274	16.4	50.5	65
275	16.5	50.5	65
276	16.6	50.5	65
277	16.7	50.5	65
278	16.8	50.5	65
279	16.9	50.5	65
280	17.0	50.5	65
281	17.1	50.5	65
282	17.2	50.5	65
283	17.3	50.5	65
284	17.4	50.5	65
285	17.5	50.5	65
286	17.6	50.5	65
287	17.7	50.5	65
288	17.8	50.5	65
289	17.9	50.5	65
290	18.0	50.5	65
291	18.1	50.5	65
292	18.2	50.5	65
293	18.3	50.5	65
294	18.4	50.5	65
295	18.5	50.5	65
296	18.6	50.5	65
297	18.7	50.5	65
298	18.8	50.5	65
299	18.9	50.5	65
300	19.0	50.5	65



264

65

66

67

68

69

70

71

72

73

74

75

76

77

78

34

N 279

50

41

31

21

11

01

91

81

71

61

50

41

31

21

N. 294

95

96

97

98

99

N. 300

July, Palohar

N-301 Olan Group Jan. 1, 1962 (Completed 2)

Bamfall 1000 m. alt.

Dry No. - 1000 - but not measured of line

1000 m. alt. with

N. Nayan - 1000 m. alt. 1000

B. 1000 m. alt. 1000

N-301

12.4"

45

60

302

12.4"

45 - 2"

60

303

11.6

40 - 3

60

304

10.4"

20 - 5

60

305

11.0

20 - 0

60

306

11.8"

40 - 0

60

307

12.4"

20 - 3

60

308

10.4"

20 - 5

65

309

9.3"

20 - 5

65

310

10.7"

20 - 5

65

311

9.9"

40 - 4

65

N 312	12.3'	40-6	60'
313	11.6"	40-5	60'
314	11.4"	40-5"	60'
315	12.7"	45-6	60'
316	10.2	45-5"	65'
317	11.1	45-5"	65'
318	9.7"	45-5"	65'
319	12.2"	45-5"	65'
320	10.6	45-5"	60'
321	10.6	45-5"	60'
322	11.2"	45-5"	65'
323	13.3	45-6	60'
324	11.9"	40-6	60'
325	12.2"	46-4"	60'
326	10.2	40-5"	65'

1840	1840	1840
1841	1841	1841
1842	1842	1842
1843	1843	1843
1844	1844	1844
1845	1845	1845
1846	1846	1846
1847	1847	1847
1848	1848	1848
1849	1849	1849
1850	1850	1850
1851	1851	1851
1852	1852	1852
1853	1853	1853
1854	1854	1854
1855	1855	1855
1856	1856	1856
1857	1857	1857
1858	1858	1858
1859	1859	1859
1860	1860	1860
1861	1861	1861
1862	1862	1862
1863	1863	1863
1864	1864	1864
1865	1865	1865
1866	1866	1866
1867	1867	1867
1868	1868	1868
1869	1869	1869
1870	1870	1870
1871	1871	1871
1872	1872	1872
1873	1873	1873
1874	1874	1874
1875	1875	1875
1876	1876	1876
1877	1877	1877
1878	1878	1878
1879	1879	1879
1880	1880	1880
1881	1881	1881
1882	1882	1882
1883	1883	1883
1884	1884	1884
1885	1885	1885
1886	1886	1886
1887	1887	1887
1888	1888	1888
1889	1889	1889
1890	1890	1890
1891	1891	1891
1892	1892	1892
1893	1893	1893
1894	1894	1894
1895	1895	1895
1896	1896	1896
1897	1897	1897
1898	1898	1898
1899	1899	1899
1900	1900	1900

1	9	24	5
100	12	25	3
1000	3	26	20
10000	1	27	1
100000	1	28	1
1000000	1	29	1
10000000	1	30	1
100000000	1	31	1
1000000000	1	32	1
10000000000	1	33	1
100000000000	1	34	1
1000000000000	1	35	1
10000000000000	1	36	1
100000000000000	1	37	1
1000000000000000	1	38	1
10000000000000000	1	39	1
100000000000000000	1	40	1
1000000000000000000	1	41	1
10000000000000000000	1	42	1
100000000000000000000	1	43	1
1000000000000000000000	1	44	1
10000000000000000000000	1	45	1
100000000000000000000000	1	46	1
1000000000000000000000000	1	47	1
10000000000000000000000000	1	48	1
100000000000000000000000000	1	49	1
1000000000000000000000000000	1	50	1















4-55 down to 100  
 100-150  
 150-200

OK. ... broken up ... as a result of drifting  
 the ... are full ...

1954 Graveling ... 20' ...

1	15.5	55' - 12"	70'
2	12.5	55' - 8	60'
3	17.5	48 - 18	58'
4	18.0	48 - 16	55'
5	18.5	45 - 14	52'
6	14.5	45 - 12	50'
7	13.5	45 - 8	48'
8	19.0	45 - 12	55'
9	16.5	40 - 12	50'
10	19.5	40 - 10	55'
11	17.0	45 - 12	55'
12	14.5	40 - 10	50'
13	16.5	35 - 8	50'
14	13.0	45 - 12	70'
15	15.5	45 - 10	50'

heavily bearing

Seed from 1910  
Total height  
213 1/2 inches

± 5 days from July  
To be given 1000 seeds  
Dried 1000 seeds 1000 seeds 1000 seeds

51

B. 16	20.0"	45' 10"	60
17	15.5'	12"	65"
18	12.5'	23 14'	60'
19	21.5'	42 - 13	50'
20	11.5'	23 7	65'
21	21	210' 15"	55'
22	20.5'	25 - 15	55'
23	21.5'	25 - 15	55'
24	18.5'	20 13	50'
25	20.5'	20 8'	60'
26	12.5'	20 - 8'	50'
27	16.5'	20 - 8'	55'
28	16.5'	20 - 8'	55'
29	18.5'	20 - 10	50'
30	17.5'	20 - 10"	55'

31	19.5	45' 10"	55'
32	22.0	45' 10"	55'
33	21.5	45' 10"	60'
34	19.0	45' 10"	60'
35	20.0	45' 10"	60'
36	20.0	45' 10"	60'
37	13.5	45' 10"	60'
38	11.0	45' 10"	65'
39	10.0	45' 10"	55'
40	21.5	45' 10"	55'
41	19.5	45' 10"	60'
42	21.0	45' 10"	55'
43	19.5	45' 10"	60'
44	22.5	45' 10"	60'
45	15.0	45' 10"	60'
46	13.0	45' 10"	70'
47	18.0	45' 10"	60'



49	17.0	35 - 6.0	50'
50	17.5	40 - 8.0	50'
51	25	40 - 12	55
52	25		55
53	25	35 - 14	60
54	16.5	45 - 8	60
55	17.5	50 - 6	65
56	17.5	50 - 2	70
57	15.5	55 - 15	60
58	15.5	50 - 10	65
59	17	40 - 10	60
60	18	35 - 8	60
61	17.5	45 - 8	65
62	16.5	50 - 2	55
63	22.0	55 - 15	65
64	14.5	55 - 12	55
65	17.5	50 - 10	60
66	17.5	55 - 10	60
67	20.0	40 - 12	60

16.7	15.0	45 - 8"	60
68	20	45 - 10	60
69	15	18	60
80	20	45 - 10	80
11	12.5	35 - 10	60
15.5	12	30 - 10	60
17.5	10	45 - 10	65
18	10	45 - 10	65
20	10	45 - 10	65
21	10	45 - 10	65
22	10	45 - 10	65
23	10	45 - 10	65
24	10	45 - 10	65
25	10	45 - 10	65
26	10	45 - 10	65
27	10	45 - 10	65
28	10	45 - 10	65
29	10	45 - 10	65
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77	10	45 - 10	65
78	10	45 - 10	65
79	10	45 - 10	65
80	10	45 - 10	65
81	10	45 - 10	65
82	10	45 - 10	65
83	10	45 - 10	65
84	10	45 - 10	65
85	10	45 - 10	65
86	10	45 - 10	65
87	10	45 - 10	65
88	10	45 - 10	65
89	10	45 - 10	65
90	10	45 - 10	65
91	10	45 - 10	65
92	10	45 - 10	65
93	10	45 - 10	65
94	10	45 - 10	65
95	10	45 - 10	65
96	10	45 - 10	65
97	10	45 - 10	65
98	10	45 - 10	65
99	10	45 - 10	65
100	10	45 - 10	65

Total 7.5 acres

Abundantly flowering - fruiting season  
 just in progress - May - June

Total - 50 trees

55

Quercus plankana

1982 June-July 8' under  
94 acres

R.H	81.	10.0"	40-6'	50'
	82.	12.5"	45-5'	60'
	83	16.5	35'-7"	50'
	84	14.0	40-5'	50'
	85	10.5	35-5'	50'
	86	10.0'	40-5'	50'
	87	8.0	45-2'	60'
	88	9.5	40-4'	50'
	89	12"	45-6"	50'
	90	10.5	40-5'	50'
	91	9.5	45-5'	50'
	92	11.2	50-5'	60'
	93	13.0	40-5'	60'
	94	9.0	40-5'	60'

84	9.5	11.0	33' - 5"	53
96	11.5'		41' - 3"	50
97	9.5		50 - 5"	50
98	11.0		40 - 5"	52
99	9.0		30 - 41'	50
100	11.0		35 - 5"	50
101	9.0		30 - 5"	50
102	10.5		30 - 5"	50
103	11.0		40 - 5"	50
104	10.5		30 - 5"	50
105	10.0		40 - 41'	50
106	10.0		40 - 5"	50
107	9.5		30 - 5"	50
108	10.0		40 - 5"	50
109	10.0		40 - 6"	50
110	10.0		40 - 5"	50

111	11.0	35-5	55
112	12.0	40-5	55
113	11.0	41-5	55
114	10.5	41-5	55
115	10.0	41-5	55
116	11.0	42-5	55
117	10.0	41-5	55
118	11.0	42-5	55
119	13.0	42-5	55
120	12.0	42-5	55
121	10.0	42-5	55
122	12.0	45-6	55
123	10.5	46-6	55
124	9.5	35-5	50
125	11.0	40-5	55
126	10.5	41-5	55

10.5

10.5

10.5

10.5

Laka  
\$11.21  
to new days

Total 10 trees

Seed mixture in Series Run  
to 10 feet up

Generaly from  
from 59

→ 44 acres

Shelton Park, 1963

June-July

not found

38 acres

131 131 8.0 40-4 50

132 8.0 30-4 40

133 7.5 30-4 50

134 8.0 40-4 50

135 8.0 30-5 50

136 7.5 40-4 50

137 10.0 30-5 50

138 10.0 30-5 50

139 0.5 20-5 5

140 11.0 40-5 50

Surveyed for [unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear]

Section 1, Township 136N - Range 185E - 4th  
59 acres.

121	7.1	20.0	20.0
122	6.0	20.0	20.0
123	8.0	35.0	20.0
124	6.0	22.5	20.0
125	6.5	21.0	20.0
126	6.0	20.0	20.0
127	7.0	20.0	20.0
128	7.5	21.0	20.0
129	5.0	20.0	20.0
130	6.5	20.0	20.0





Green/White Seed Program  
Seed Collection Areas  
350 Selected Trees

Visited April, 1967

Apr 5 1. Iktigat Forest Reserve  
N 53 - N 112

Apr 6 2. Effiung Forest Reserve Planted June - July, 1962.  
N 13 - N 52 (200 trees - 2 years)

Apr 7 3. Ulu Forest Reserve  
N 201 - N 300 (100 Trees, 43 to 60 years old)

Apr 8 4. Xlar Forest Reserve Planted 1942 - 21 years old.  
N 113 - N 162 (50 selected trees)

Apr 9 5. Akpota Forest Reserve  
N 163 - N 199. Comp 297 (17 selected trees)  
Planted 1950. Additional 1963.  
N 185 - 200 Comp. 202 (21 selected trees) Planted 1950  
Terminated 1962

Apr 10 6. Pitwood Initiative  
N 11 - N 12. (12 Trees all planted 30 years ago)

Apr 11 7. Gbon Forest Reserve (Ani) 5 years old  
N 301 - N 350 (30 selected trees) Planted May - June, 1962  
(Fruit generally parasitized. Probably should not be used)  
8. Enugu 50-year old plantings. Obtain seeds for  
Phase B seed collection

Copy to  
Mr. A. B. C.  
Mr. K. L. M.

Memorandum

To: Mr. A  
Mr. Leo

From: B. M.

Subject: General Program





## British Honduras

- 60200 *Rynchospora* Weed in plantation of  
(3) Toledo, B.H. at 100-200 m alt. Jan 4
- 60201 *Clusia* aff. *Cl. flava*. Tree to 15 m high, latex clear,  
(6) below Rest House, Augustine Forest  
Augustine, Cayo District, B.H.
- 60202 *Hypericum* *lance-firmae*. Shrub to 2 m high, fl.  
forests, near Melchor Creek, Mountain Pine Ridge
- 60203 *Clusia massoniana* Tree to 8 m, latex cream-white  
(3) only 5-celled, stigmas 5.
204. *Clusia massoniana* ♂ Data as above.
- 60205 *Tristicha triforia* <sup>Sp. nov.</sup> Moss-like plant growing densely  
(5) floating water, Guacamallo Bridge
- 60206 *Clusia* ♂ Small tree in limestone, latex clearish  
(5) petals 4 cream-colored, thickly carinate,  
Chiquibui Forest 2-5 km S of Guacamallo
- 60207 *Clusia* ♀ data as above, fruit 4(5)-celled,  
(4)
- 60208 *Clusia* ♂ data as for 60206.  
(4) (this tree bore a single fruit!)
- 
- Chiquibui - Cuzco, Panama Jan. 1967.
- 60209 *Clusia* aff. *Cl. rosea*. Beautiful large crowned tree to 18  
(5) In fruit only, Cuzco at 400 m

*Pinus caribea*, Machaca Forest Station <sup>seed</sup> Cyto  
1967.

Jan 5, 1967.

moderate, frequent on slopes  
Station at 500m alt. Cyto material C.  
station, terminal, yellow, Oak-Pine  
500m alt. Cyto - seed C.  
moderate, data as above,

F.

Cyto

F.

on submerged rocks in swiftly  
flowing water, Belize River at 400m. A.

some becoming milky, moderate,

Bridge @ 500m alt. Cyto F

F

Cyto

F

W. high, latex yellow  
et., Ehrhmann, Panama seed C.  
Jan. 8, 1967

*Rynchospora cypripedica* Kunth

*Hypericum* <sup>terre</sup> <sup>frum</sup>  
*Sparganium* <sup>sp.</sup>

*Clusia lundellii* Standley  
? = *C. chanciana* Lundell

" " "  
" " "  
" " "  
" " "

132

Cibola, Chiriqui, Panama @ 400 m. alt

60210

*Clusia minor* L. Sess lat.Bushy tree to 6  
yellowish, petals  
data as above.

211

*Clusia minor* L. Sess lat.

7-8-celled, slightly



Jan 8, 1969

1063

11' high, pale green, axodrym  
5, pinkish-white C.  
fruit oblong-ellipsoidal  
2-8. seed C.





May 4, 1967. Augustin. Forest Department, San Rafael  
 60335 *Clusia* sp. ♀ Tree 10 m high, margin of road. Augustin

60336 *Clusia* sp. ♀ Tree to 15 m high, margin of road. Augustin  
 affinis = *C. pulchra* - commonly 3: common  
 fruit. some are in pairs stems

May 5, 1967 Augustin. Barrios N. de San Rafael. Augustin

60337 *Clusia* <sup>sp. 1</sup> ~~sp. 1~~ Tree to 10 m high, margin of road. Augustin  
 latex. fruit. 20 to 25 cm diam. Wood

60338 *Clusia* *lanceolata*

60339 *Clusia* *flava* ♀ Tree to 15 m high, latex  
 ch. of some leaves. Augustin

60340 *Clusia* *flava* ♂

60341 Polypae. *Trichomanes* *lanceolata* Melinda

British Honduras.

Great Engraving.

*Cl. muscaria* L. Elf

moderate in young. Older persons sterile. An half kelso-  
P. and V. 1/2.

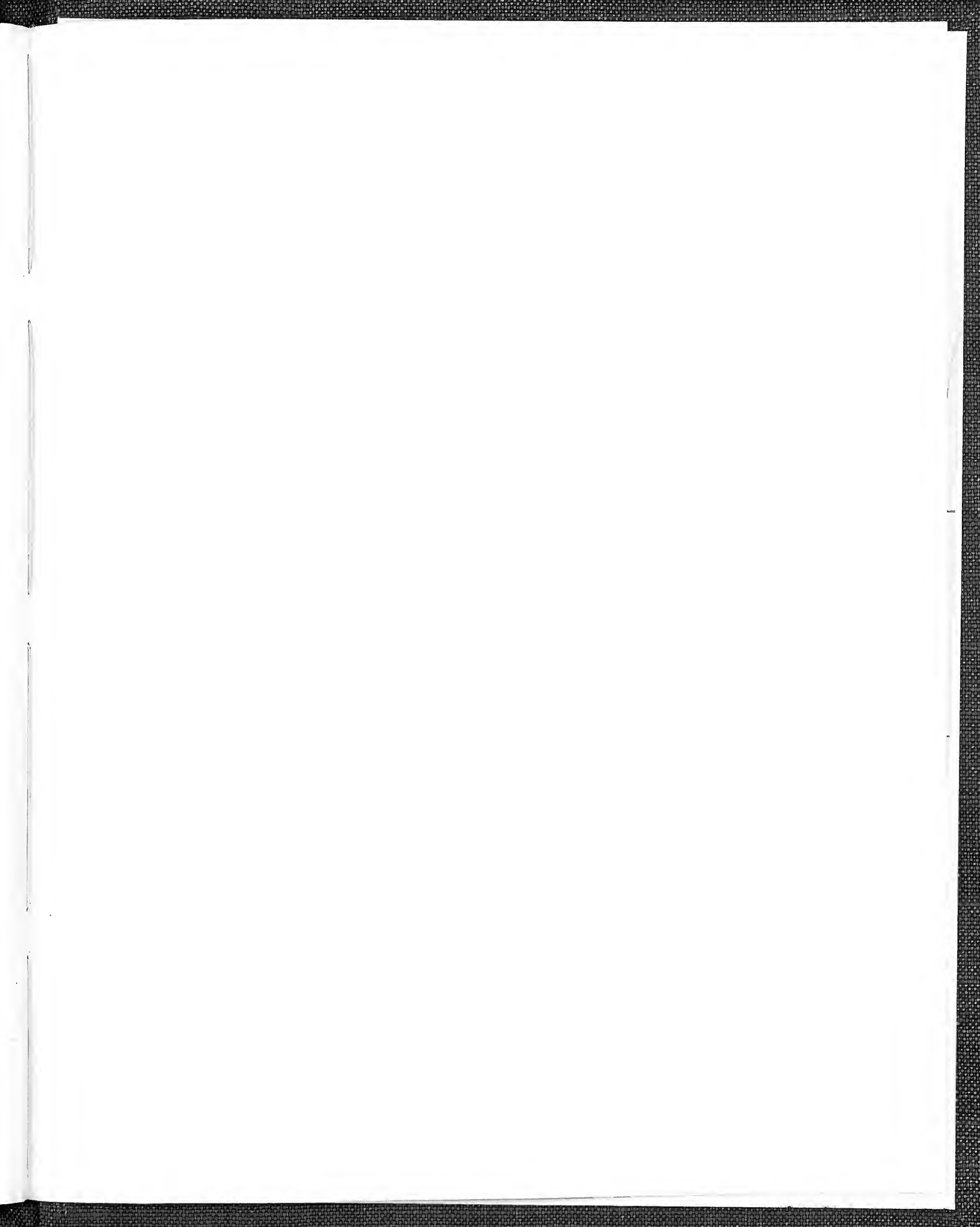
101 Aug 9, 1968













# Tentative Tour Programme

Egon pitwood plantations

3/4/67

— afternoon 2-4.30hr

Ejia reserve

4/4/67

— 9am

Ikingon reserve

5/4/67

— 8am. <sup>Leave</sup> 5

Mamu "

6/4/67

9am

Akpaka "

7/4/67

8am

Bende "

8/4/67

7am

Uwi (Obam reserve)

10<sup>th</sup> - 11<sup>th</sup> April 1967.



NORTHERN

NIGERIA

7°

8° To Makurdi

9°

To Gboko

NIGERIA

River Anambra

ONITSHA

Awka

ENUGU

Awgu

Ekwulobia

Orlu

Okigwi

Afikpo Rd

Afikpo

CROSS

Obubra RIVER

Ikam

To Mamfe

CAMEROONS

WESTERN

RIVER

Ahoada

ABA

UMUAHIA

Owerri

Bende

Ikot-Ekpene

Abak

CALABAR

Degenia

PORT-HARCOURT

Eket

BIAFRA

OF

Brass

BIGHT

# NAMES OF FOREST RESERVES

1. OBAN GROUP
2. LOWER ENYONG
3. UMON NDEALICHI
4. UWET-ODOT
5. EKINTA RIVER
6. STUBBS CREEK
7. BOSHI
8. BOSHI EXT

9. OKWANGWO
10. AFI RIVER
11. GABU
12. YACHE (ALIFORPA)
13. IKRIGON
14. IKOM F. PLANT.
15. CROSS R. NORTH
16. CROSS R. SOUTH
17. UKPON RIVER

18. AGOI
19. EFFIUM
20. ENUGU
21. OJI RIVER
22. ACHALLA
23. MAMU RIVER
24. AKPAKA
25. OSOMARI
26. UMUHIA IBKU
27. UKPOM BENDE
28. UBIBIA
29. KALUNTA
30. OGU - ITU
31. OBOT-NDOM
32. ANAMBRA
33. EME RIVER
34. ENUGU W.H. WORKS

## EASTERN NIGERIA SHEWING FOREST RESERVES

SCALE: 1:1,750,000 OR 1 INCH TO 27.62 MILES

MILES 0 20 40 60

Prepared by A. G. Efoji, F.D.M.  
ENUGU. 16.3.62





Randolph B. Dominguez.



COMPARTMENT 29B:    AGE    :                    1955 Plantation

DATA From Enumeration carried out in September, 1962.

Average Stem Density per acre	=	491 ( 6" and Over)
"      Basal Area      "      "	=	114 Sq.ft.
"      Volume O.B.      "      "	=	2940 cub. ft.
"      Volume J.B.      "      "	=	2656      "      "
Bark Volume %		14%
Form Factor	=	.52

---

DATA from Thinning Carried out in October, 1962

Total No. of Thinnings per acre	=	298
Mean Tree Girth - 14"; Timber ht.	=	28'
Basal area thinned per acre	=	38 Sq. ft.
Volume O.B. per acre		680 cub. ft.
Volume J.B.      "      "	=	606      "      "

---

Average Girth of 10 largest tree per acre	40" in 1960
"      "      "      10      "      "      "      "	45" in 1962
Mean Tree Girth	20" " 1960
"      "      "	22" " 1962

Volume of crop in 1960 = 2825 cub. ft. (approx. 39 cords)

P.O. Enemuoh  
PROVINCIAL FOREST OFFICER.



OMELINA PLUS TREES  
UKPOM BENDE FOREST RESERVE

Tree Number	Compartment	Location
Plus Tree No. 1	9	Along the Res. Boundary
- do - 2	7	- do -
" 3	13	Along Motor Road.
" 4	13	- do -
" 8	13	"
" 9	13	"
" 10	13	"
" 11	13	"
" 12	13	"
" 13	13	At the Roadside Camp.





